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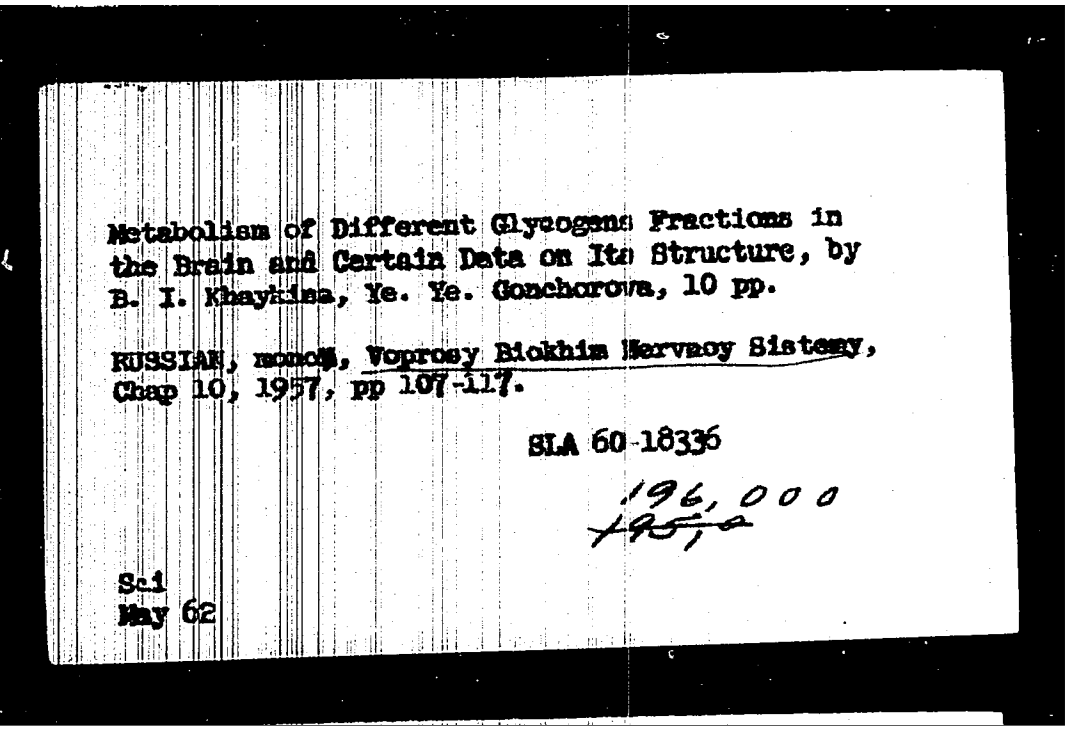

Metabolism of Different Glycogens Fractions in the Brain and Certain Data on Its Structure, by B. I. Khayutina, Ye. Ye. Gonchorova, 10 pp.

RUSSIAN, monog, Voprosy Biokhim Nervnoy Sistemy, Chap 10, 1957, pp 107-117.

SLA 60-18336

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Turnover Rate of Carbohydrates and Lipids in Brain and Liver During Stimulation and Narcotic Sleep, by M. I. Prokhorova, Z. N. Tupikova, 9 pp.

RUSSIAN, monograph, Voprosy Biokhimii Nervnoy Sistemy, Kiev, Chap. 11, 1957, pp 118-130.

SLA 60-18342

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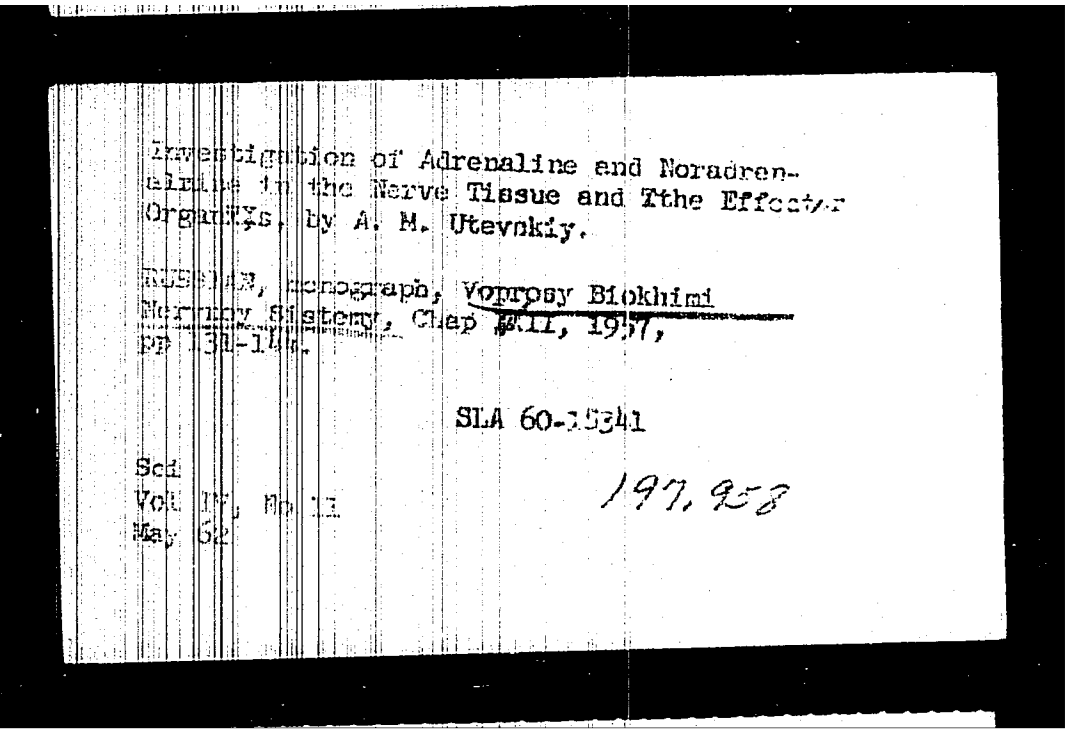

Investigation of Adrenaline and Noradrenaline in the Nerve Tissue and Tthe Effector Organs, by A. M. Utevskiy.

USSR/MD, monograph, Voprosy Biokhimi Nervnoy Sistemy, Chap XII, 1957, pp 138-144.

SLA 60-15341

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Interrelationship of Various Stages of Differentiated and Extenctive Inhibition in the Preformed Ammonia Content of the Brain, by Ye. A. Vladimirova.
RUSSIAN, bk, Voprosy Biokhimiy Nervnoy Sistemy, 1957, pp 164-175.
NTC 69-12497-06A

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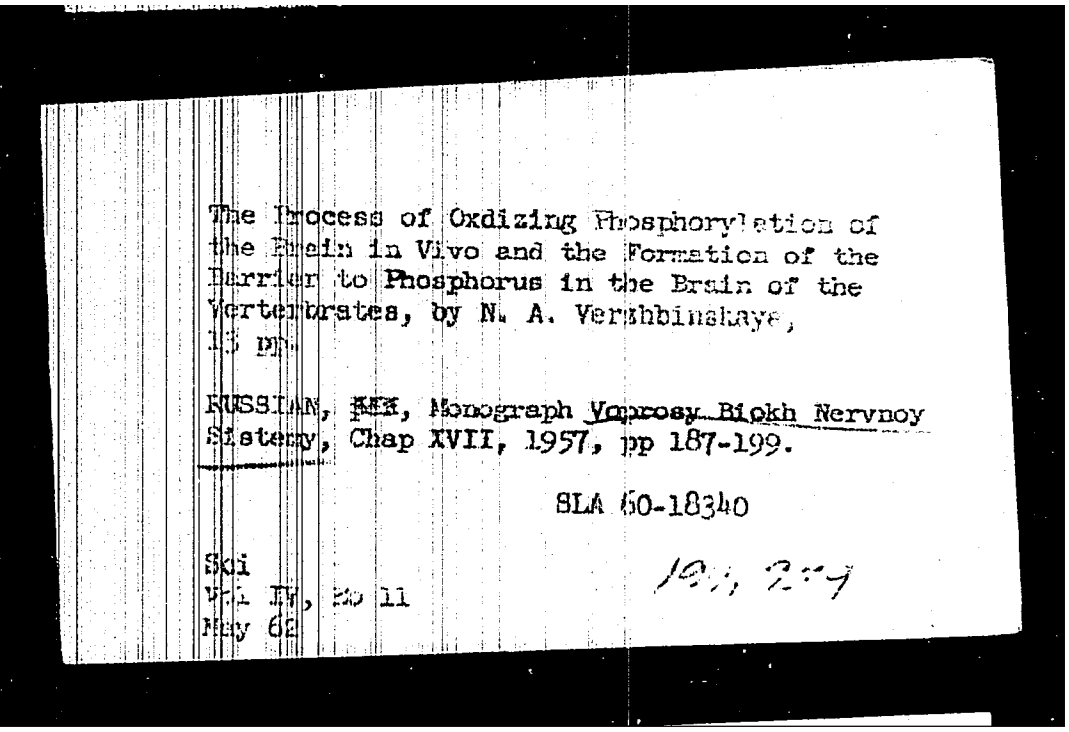

The Process of Oxdizing Phosphorylation of the Brain in Vivo and the Formation of the Barrier to Phosphorus in the Brain of the Vertebrates, by N. A. Vershbinskaya, 13 pp.

RUSSIAN, ~~###~~, Monograph Voprosy Biokh Nervnoy Sistemy, Chap XVII, 1957, pp 187-199.

SLA 60-18340

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Concerning the ~~XXXXXX~~ Lipoproteide Phosphorus in the Brain of Rabbits, during Ontogenesis, by K. G. Manukyan, 7 pp.

RUSSIAN, ~~XX~~ mono, Voprosy Biokhim Nervnoy Sistemy, Chap 19, 1957, pp ~~210-216~~.

SLA 60 18339

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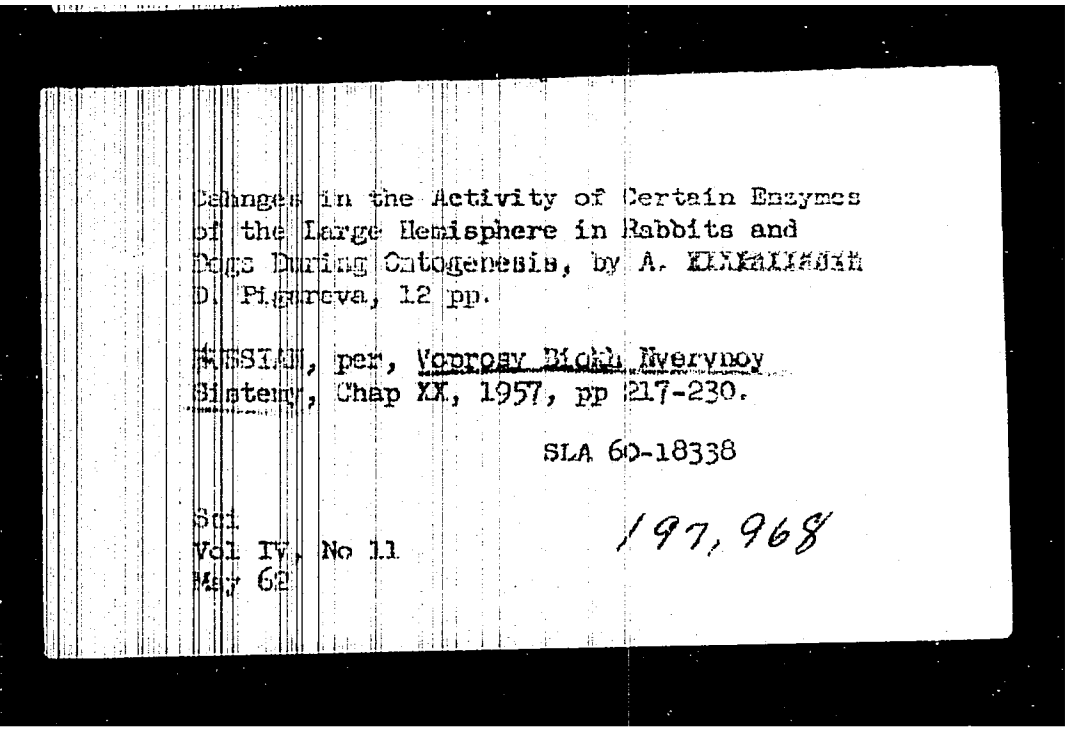

Changes in the Activity of Certain Enzymes of the Large Hemisphere in Rabbits and Dogs During Ontogenesis, by A. [illegible] D. Pigareva, 12 pp.

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SLA 60-18338

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Shabadash, A. L.
RIBONUCLEOPROTEIDES OF THE NERVE CELL AS A HISTOCHEMICAL INDEX OF THE FUNCTIONAL STATE OF THE NEURONS. [1962] [17]p. 55 refs.
Order from CTS or SLA $1.60 62-14759

Trans. of mono. [Voprosy Biokhimii Nervnoi Sistemy] (Problems in the Biochemistry of the Nervous System) [ed. by] A. V. Palladin. Kiev, 1957. p. 231-246.

DESCRIPTORS: *Nerves, *Cells (Biology), *Nucleoproteins, Nucleic acids, Cytochemistry, Bioelectronics.

The histochemical method of revealing the sum total of the nucleoproteides in the nerve cells is based on differences of the isoelectric points of the proteins complexes in concrete structures. Differentiating fermentolysis of the micro preparations controls the nature of the studied nucleo-proteides. The reactivity
(Biological Sciences--Biochemistry, TT, v. 8, no. 8)
(over)

62-14759

I. Shabadash, A. L.
II. Palladin, A. V.
III. Title: Problems...

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EFFECT OF HYPOTHERMIA IN COMBINATION WITH CESSATION OF BLOOD CIRCULATION ON BRAIN METABOLISM. [1962] [19]p. 29 refs.
Order from OTS or SLA $1.60 62-14772

Trans. of mono. [Voprosy Biokhimii Nervnoi Sistemy] (Problems in the Biochemistry of the Nervous System) ed by A. V. Palladin, Kiev, 1957, chap. 22, p. 247-257.

DESCRIPTORS: *Hypothermia, *Blood circulation, *Brain, Pathology, *Metabolism, Physiology, Phospholipids, Lipoproteins, Amino acids, Glucose, Glycogen.

Research is summarized and tabulated on the effect on brain metabolism of hypothermia and hypothermia with cessation of blood circulation. Various methods were used for inducing hypothermia and cessation of
(Biological Sciences--Biochemistry, TT, v. 8, no. 9)
(over)

62-14772

I. Vladimirov, G. E.
II. Palladin, A. V.
III. Title: Problems...

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Chagovets, R. V., Lakhno, E. V. and others.
A COMPARATIVE STUDY OF THE EFFECT ON METABOLIC PROCESSES IN THE NERVE TISSUE OF PHYSICAL COOLING AMINASINE, AND Na-EVIPAN. [1962] [17]p. 14 refs.
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Trans. of mono. [Voprosy Biokhimii Nervnoi Sistemy] (Problems in the Biochemistry of the Nervous System) [ed. by] A. V. Palladin, Kiev, 1957, chap. 23, p. 258-267.

DESCRIPTORS: *Metabolism, Dehydrogenases, Phosphorus compounds, Thiamine, Ascorbic acid, *Nervous system, Body temperature, *Hypothermia, Drugs, *Chlorpromazine, *Barbituates.

The effects of inducing hypothermia by various means were observed on the metabolite restoring properties, dehydrase activity, labile phosphorus compounds, (Biological Sciences--Physiology, TT, v. 8, no. 7) (over)

62-14729

I. Chagovets, R. V.
II. Lakhno, E. V.
III. Palladin, A. V.
IV. Title: Problems ...

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Gaevskaya, M. S.
CARBOHYDRATE-PHOSPHORUS METABOLISM IN THE BRAIN WITH EXPIRATION UNDER CONDITIONS OF HYPOTHERMIA FOLLOWED BY REVIVAL OF THE LIFE FUNCTIONS OF THE ORGANISM. [1962] [17]p. 25 refs.
Order from OTS or SLA $1.60 62-14698

Trans. of mono. [Voprosy Biokhimii Nervnoi Sistemy] (Problems in the Biochemistry of the Nervous System) [ed. by] A. V. Palladin, Kiev, 1957, chap. 24, p. 263-277.

DESCRIPTORS: *Carbohydrates, *Phosphorus, *Metabolism, *Brain, *Hypothermia, *Clinical death

The problem of the present research consisted of investigating the energy possibilities in cerebral tissue during different stages of dying and resuscitation of animals under conditions of hypothermia. Hypothermia (Biological Sciences--Physiology, TT, v. 9, no. 2) (over)

62-14698

I. Gaevskaya, M. S.
II. Palladin, A. V.
III. Title: Problems...

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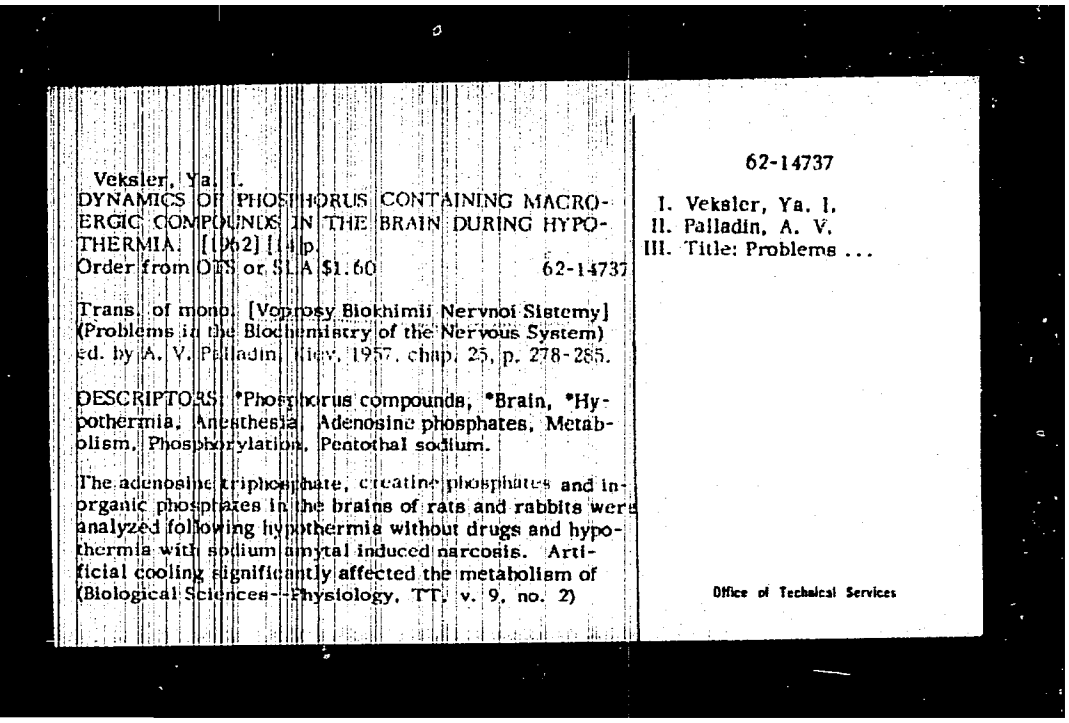

Veksler, Ya. I.
DYNAMICS OF PHOSPHORUS CONTAINING MACROERGIC COMPOUNDS IN THE BRAIN DURING HYPOTHERMIA. [1962] [4]p.
Order from OTS or SLA $1.60 62-14737

Trans. of mono. [Voprosy Biokhimii Nervnoi Sistemy] (Problems in the Biochemistry of the Nervous System) ed. by A. V. Palladin, Kiev, 1957. chap. 25, p. 278-285.

DESCRIPTORS: *Phosphorus compounds, *Brain, *Hypothermia, Anesthesia, Adenosine phosphates, Metabolism, Phosphorylation, Pentothal sodium.

The adenosine triphosphate, creatine phosphates and inorganic phosphates in the brains of rats and rabbits were analyzed following hypothermia without drugs and hypothermia with sodium amytal induced narcosis. Artificial cooling significantly affected the metabolism of
(Biological Sciences--Physiology, TT, v. 9, no. 2)

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I. Veksler, Ya. I.
II. Palladin, A. V.
III. Title: Problems ...

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Gershenovich, Z. S., Krichevskaya, A. A., and Bronovitskaya, Z. G.
THE SYSTEM OF AMMONIA-GLUTAMINE, GLUTAMIC ACID, AND OXYDIZING PHOSPHORYLATION IN CASE OF OXYGEN INTOXICATION. [1962] [21]p. (1 fig. omitted) 36 refs.
Order from OTS or SLA $2.60 62-14699

Trans. of mono. [Voprosy Biokhimii Nervnoi Sistemy] (Problems in the Biochemistry of the Nervous System) [ed. by] A. V. Palladin, Kiev, 1957, chap. 28, p. 311-322.

DESCRIPTORS: Biochemistry, Physiology, *Oxygen, *Poisoning, *Nervous system, *Glutamine, *Phosphorylation, Oxidation, Rats, Glutamic acid, Ammonia.

During oxygen poisoning the quantity of free ammonia increases considerably with a simultaneous decrease of free glutamine in the brain. In the protein fraction of (Biological Sciences--Biochemistry, TT, v. 9, no. 3)

62-14699

I. Gershenovich, Z. S.
II. Krichevskaya, A. A.
III. Bronovitskaya, Z. G.
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Respiration and Glycolysis in Case of Polio Virus Infection, by R. N. Etingof, et al, 5 pp.

RUSSIAN, monograph, Voprosy Biokhimi Nervnoy Sistemy, Chap XXXI, 1957, pp 331.

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Numbers and Distribution of Soil-Inhabiting Mites, by Z. Sultankhodzhayeva. 10 pp.
RUSSIAN, per, Voprosy Biologii i Kraevoi Meditsiny, Vol 2, 1961, pp 356-359.
OTS TT-64-19879

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Distribution of the River Beaver in the Ukraine SSR, by Y. N.Kirillov.

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Experimental Treatment of Trevansosiosis in River
Beavers, by N. P. Romanova et al.

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Experimental Planting of Willows in Beaver Habitat
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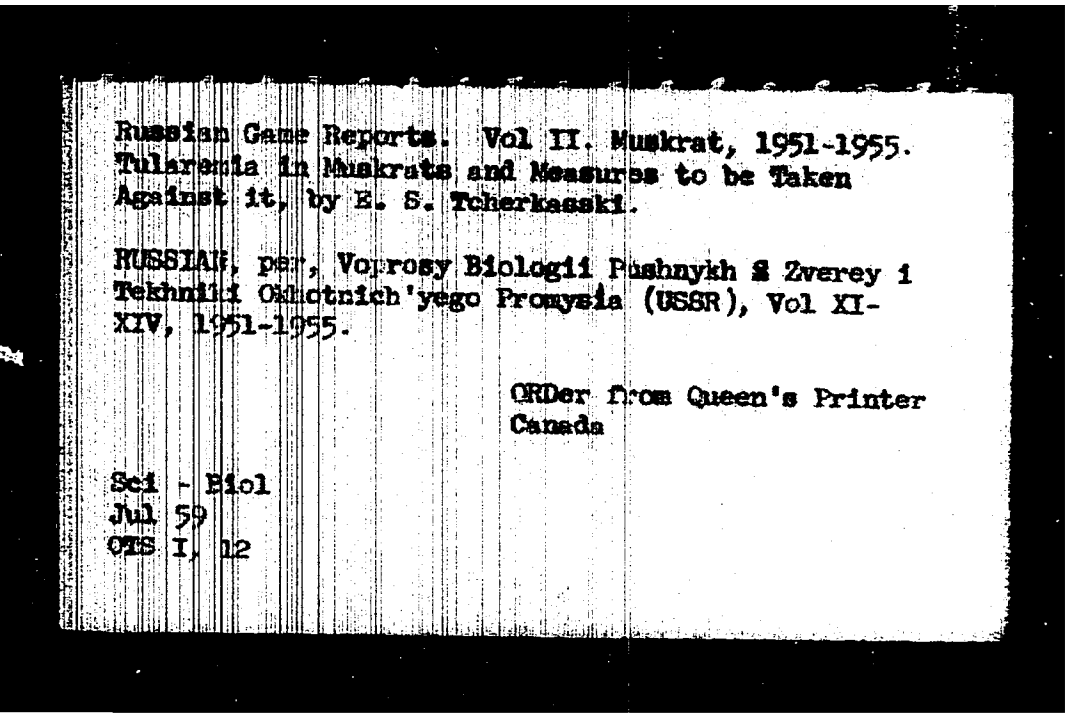

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Significance of Bitterns (Botaurus Stellaris, L.)
in Muskrat Management, by N. P. Lavrov.

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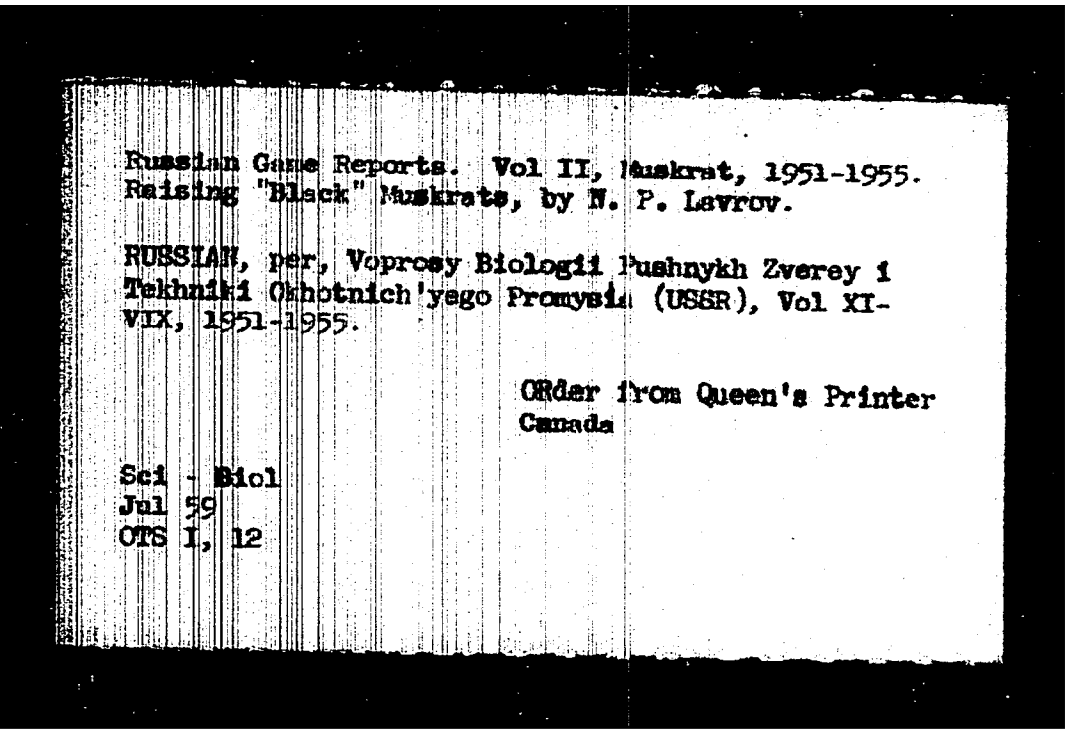

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Raising "Black" Muskrats, by N. P. Lavrov.

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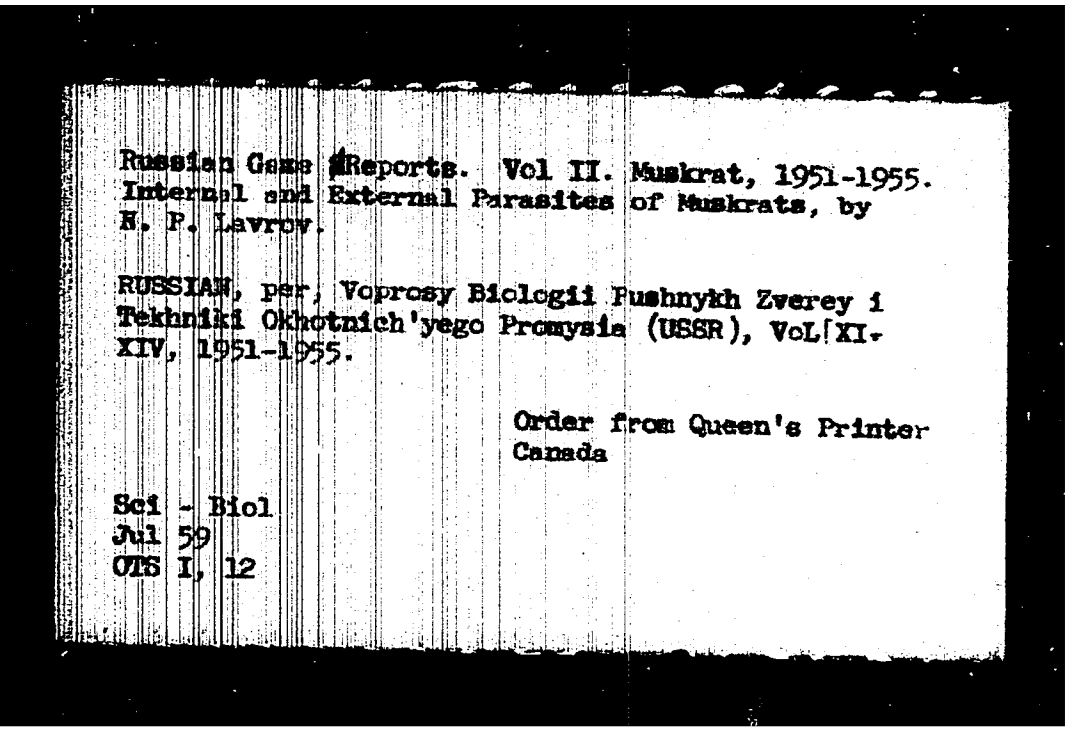

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Internal and External Parasites of Muskrats, by
K. P. Lavrov.

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Acclimatization of Muskrats in the Volga-Kama Region,
by D. I. ABYSOV.

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Experiments in Combined Rearing of Nutria and
Muskrats inthe Kuban Delta Marshes, by M. P. Pavlov.

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Acclimatization of Muskrats in Leningrad Province
(Releases and Natural Dispersal), by M. P. Altshul.

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Material on Muskrat Biology, by D. I. Aspisov.

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Fluctuations and Forecasts of Muskrat Numbers, by
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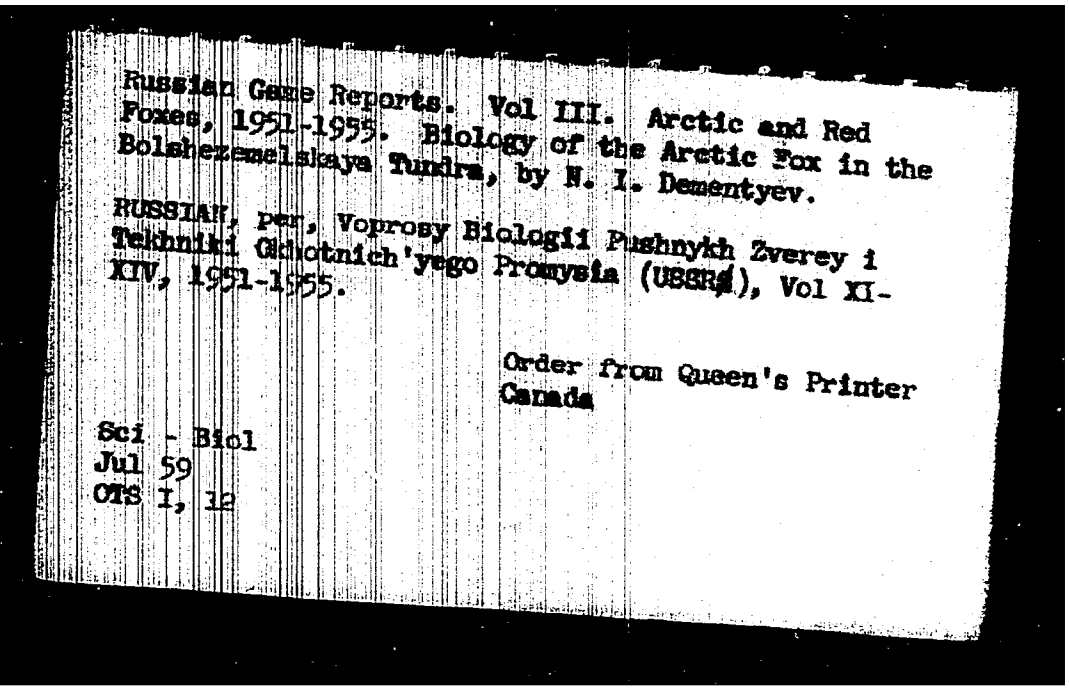

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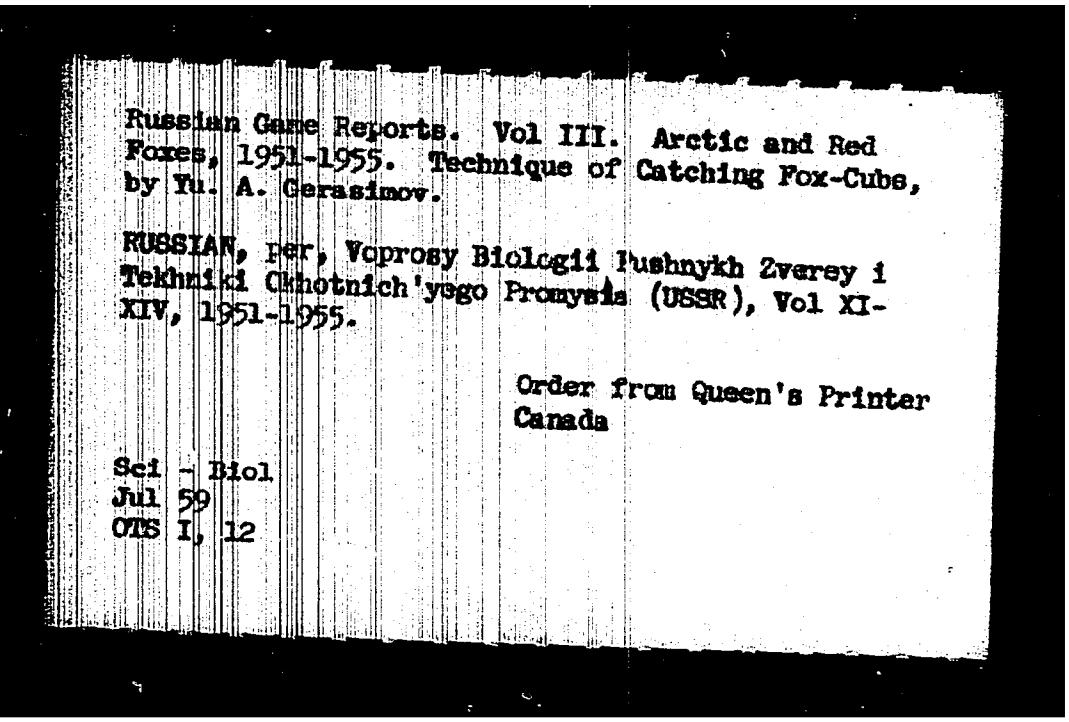

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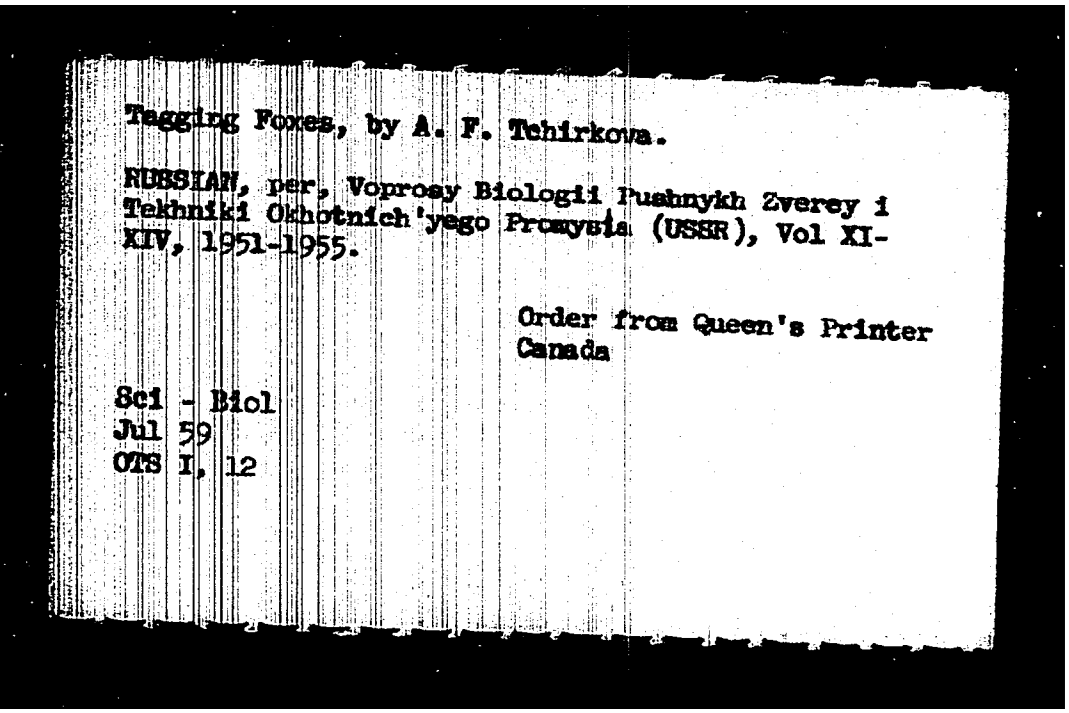

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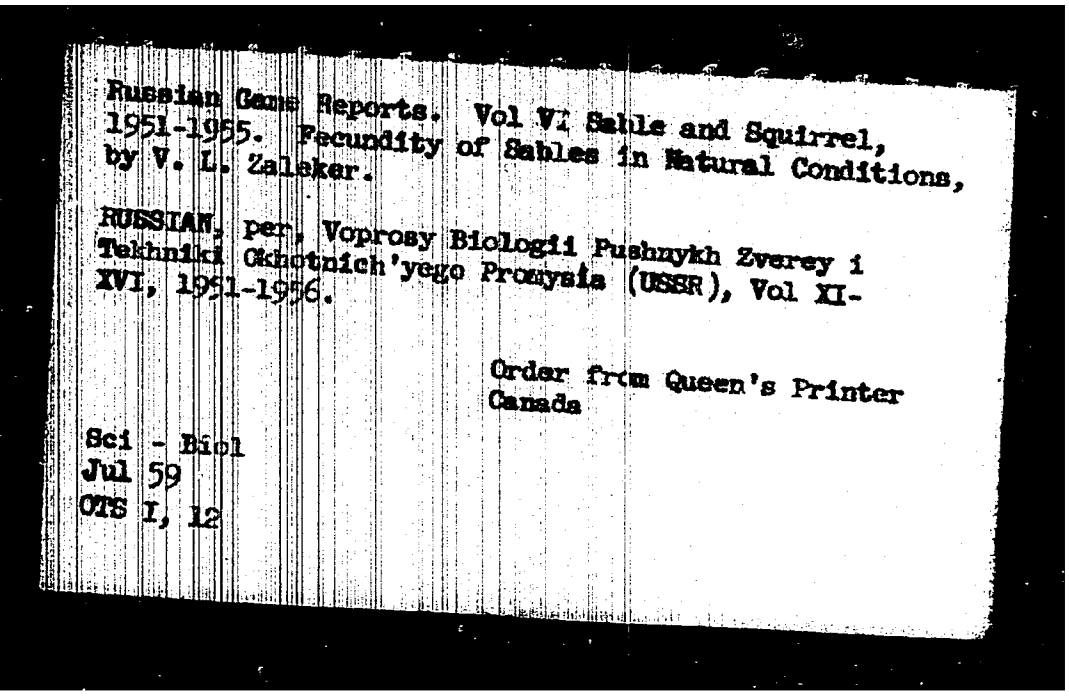

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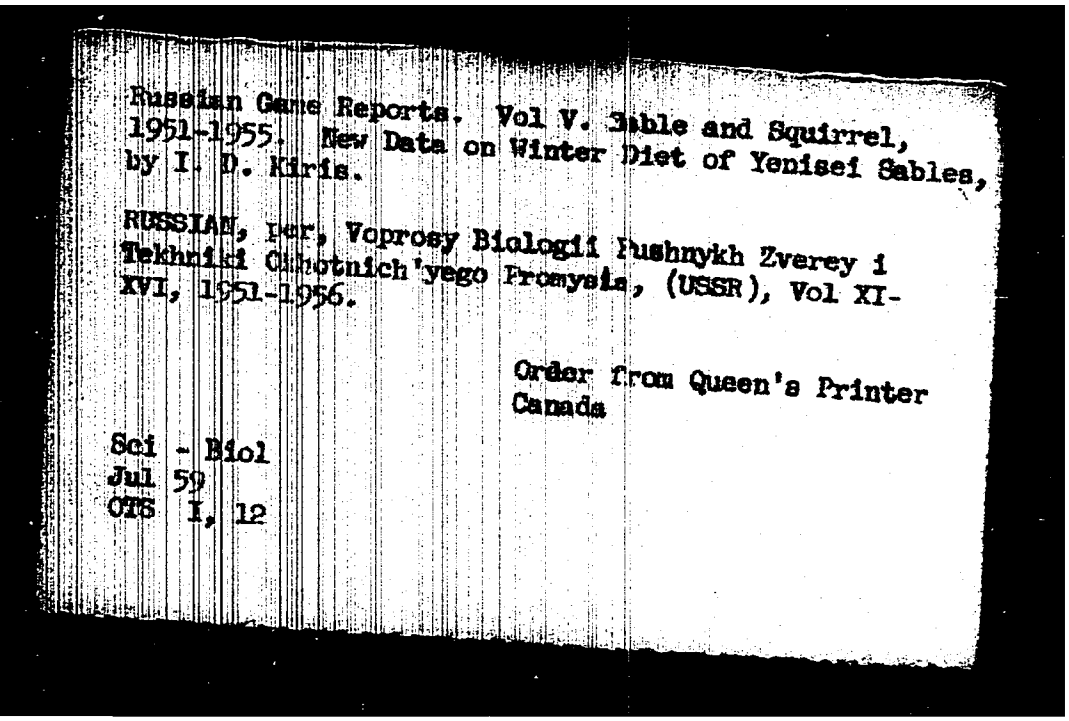

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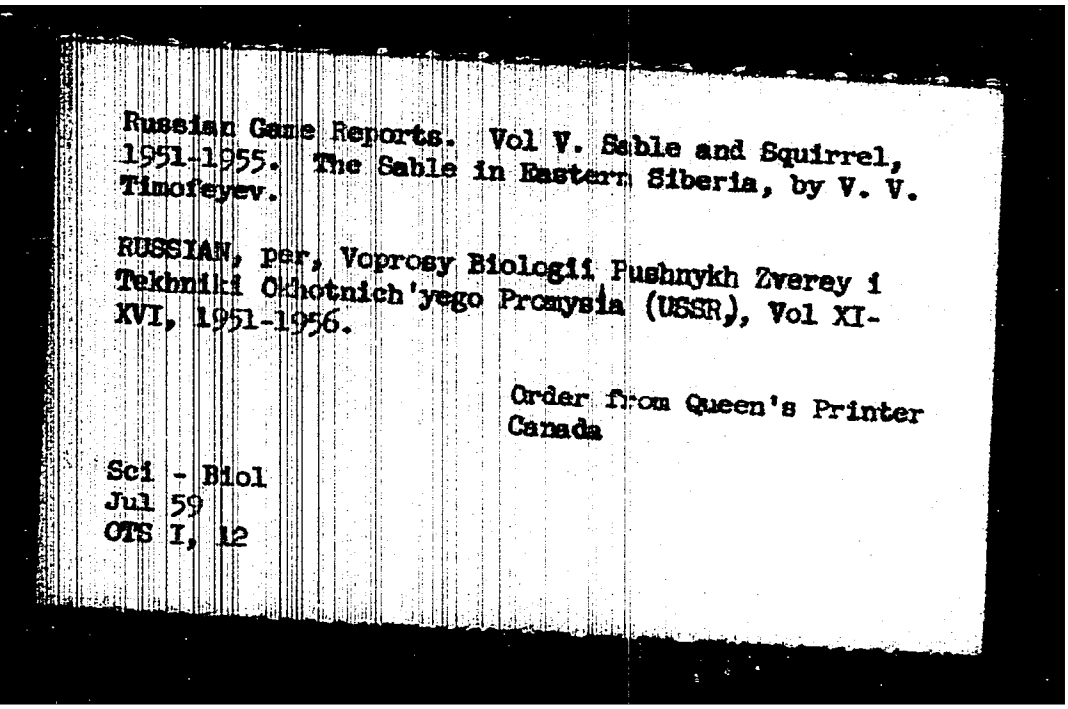

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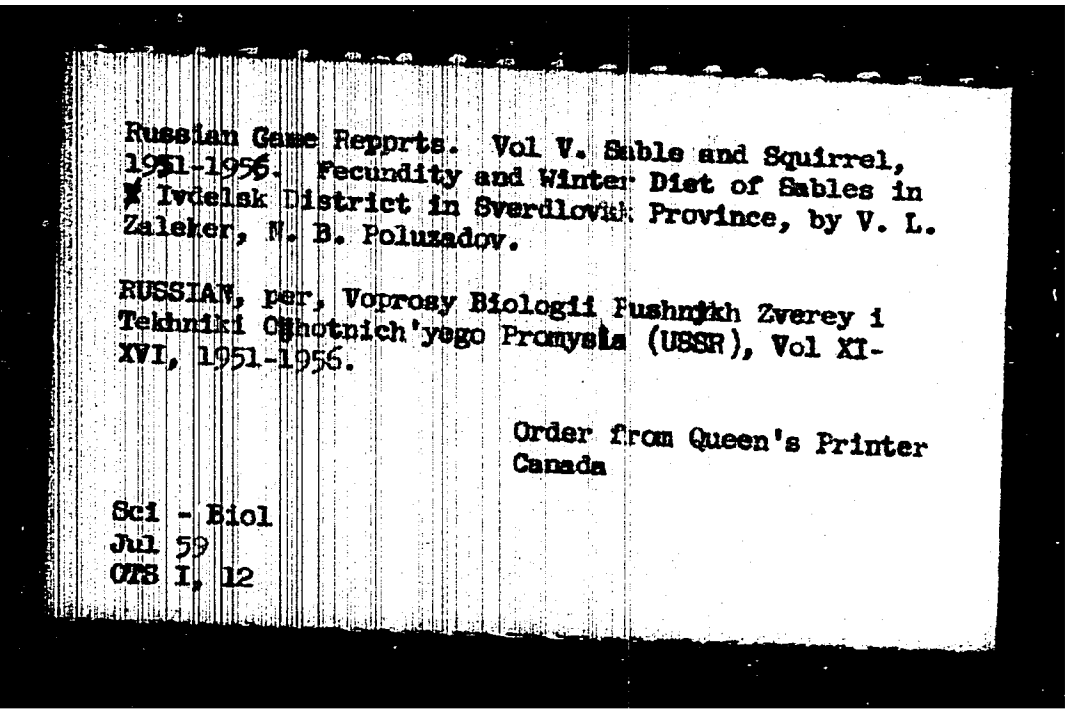

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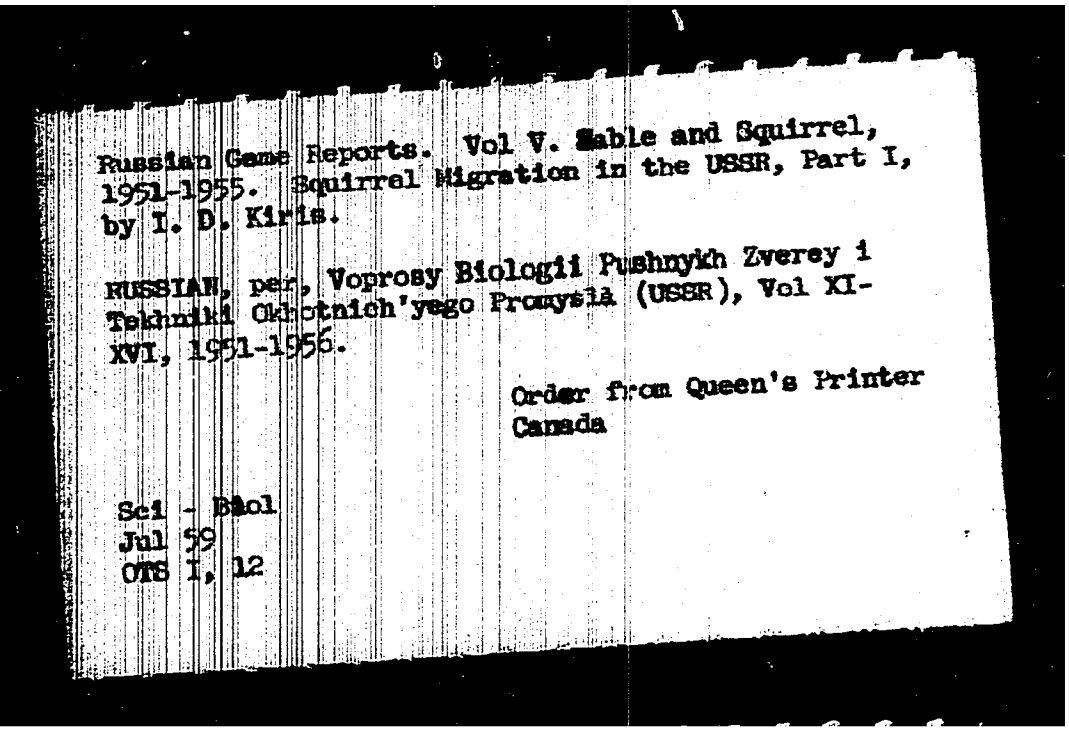

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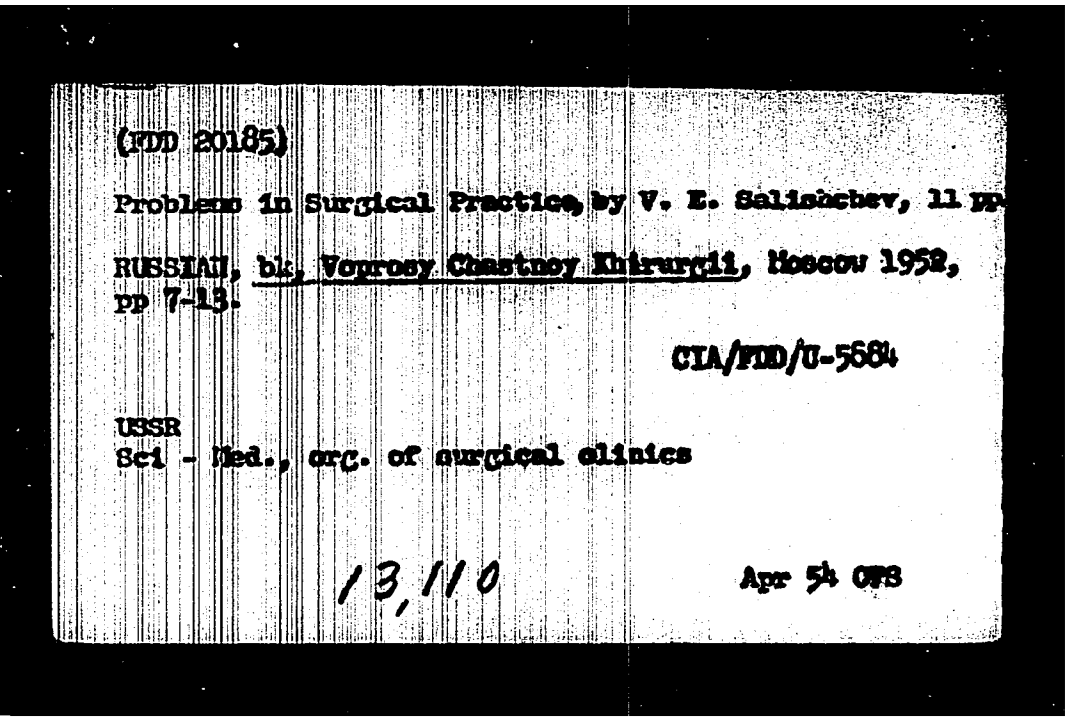

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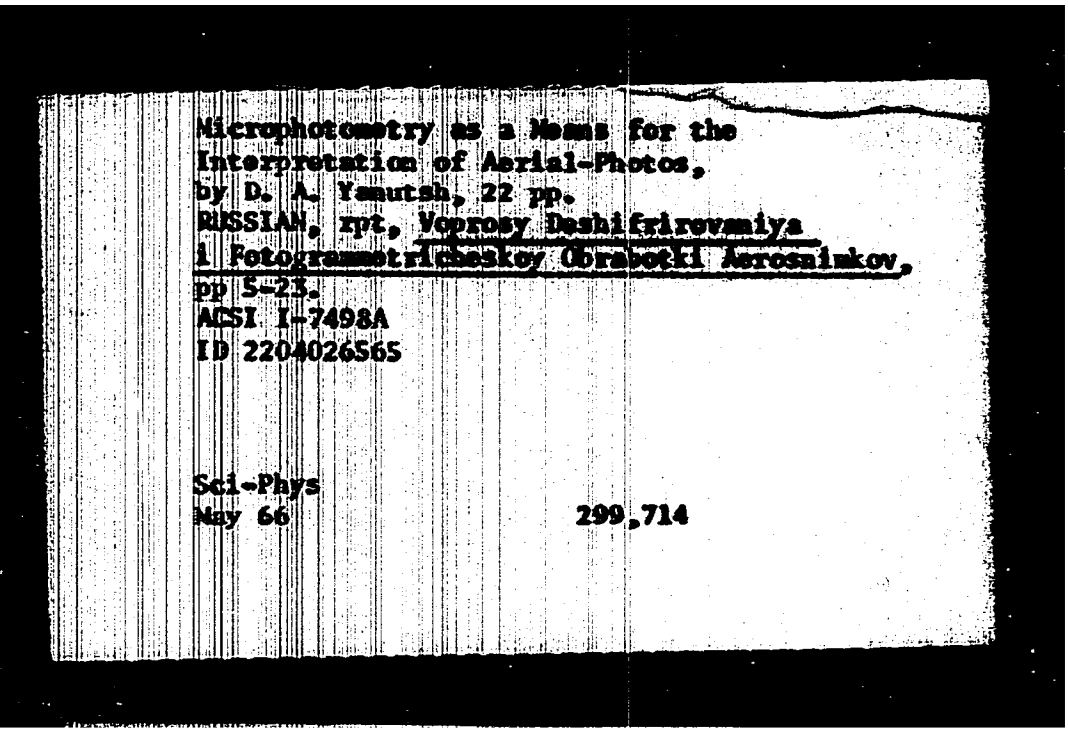

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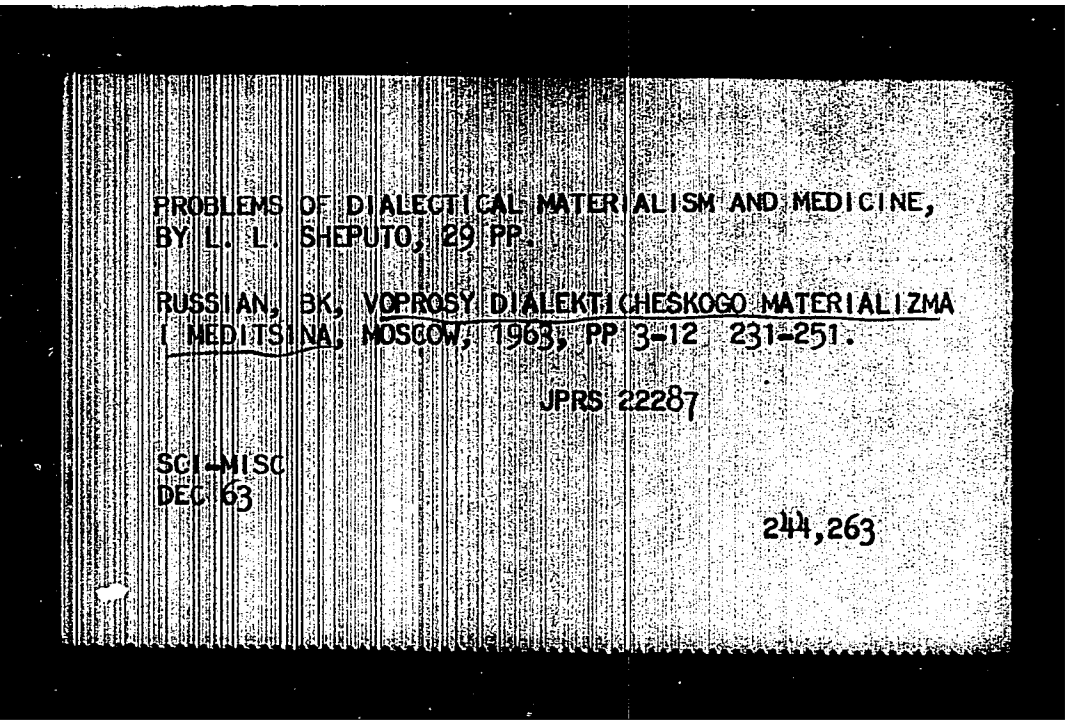

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THE EFFECT OF THE BEHAVIOR OF THE LOAD C'. THE FREQUENCY OF THE FREE VIBRATIONS OF A RING. E. B. Wasserman. January 1961. 20p. OTS price, $0.50.
(NASA TECHNICAL TRANSLATION F-52. Translation from Voprosy Dinamiki I Dinamicheskoi Prochnosti, no. 4, 1956, p. 49-71 (USSR)

The problem of free, plane and three-dimensional small-amplitude vibrations of radially loaded flexible circular rings is investigated. Differential equations are derived from three types of behavior of the load during deformation. Expressions are obtained for the frequencies and critical loads. Examples of rings with circular, tubular, square, and rectangular cross sections are given.

Copies obtainable from NASA, Washington

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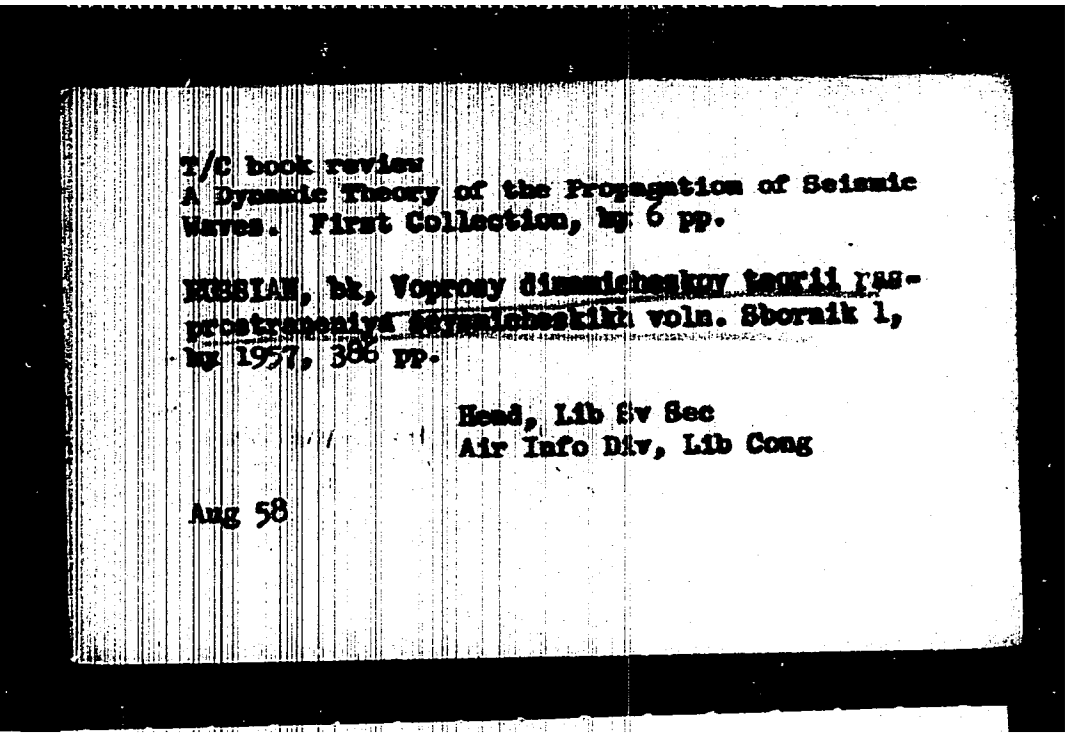

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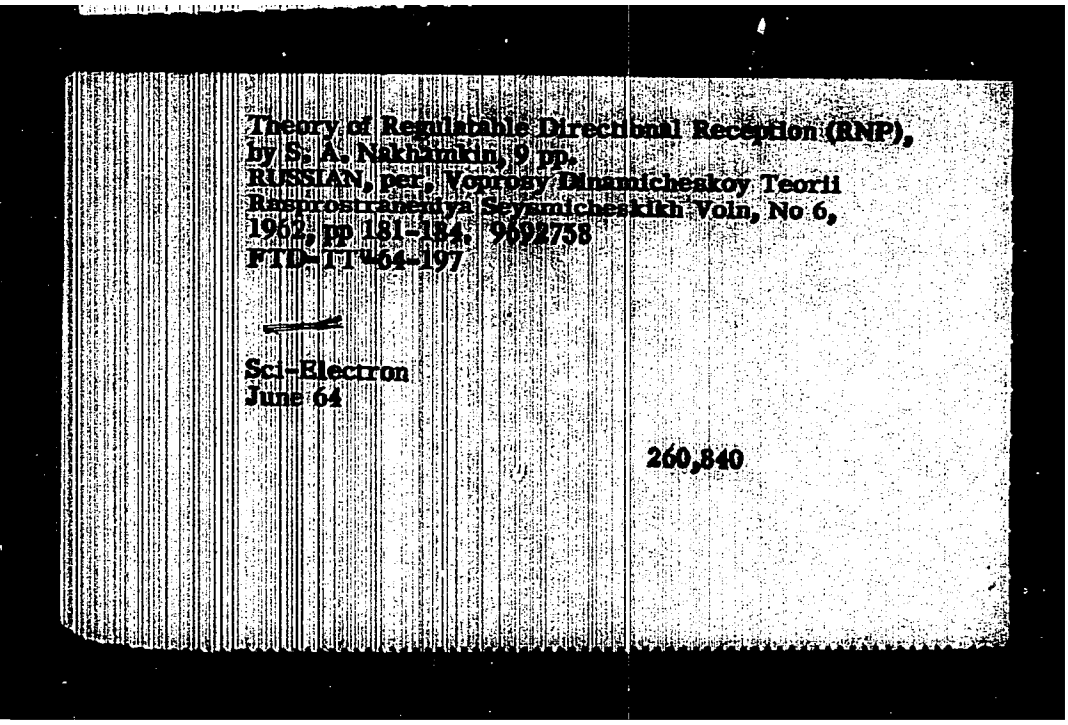

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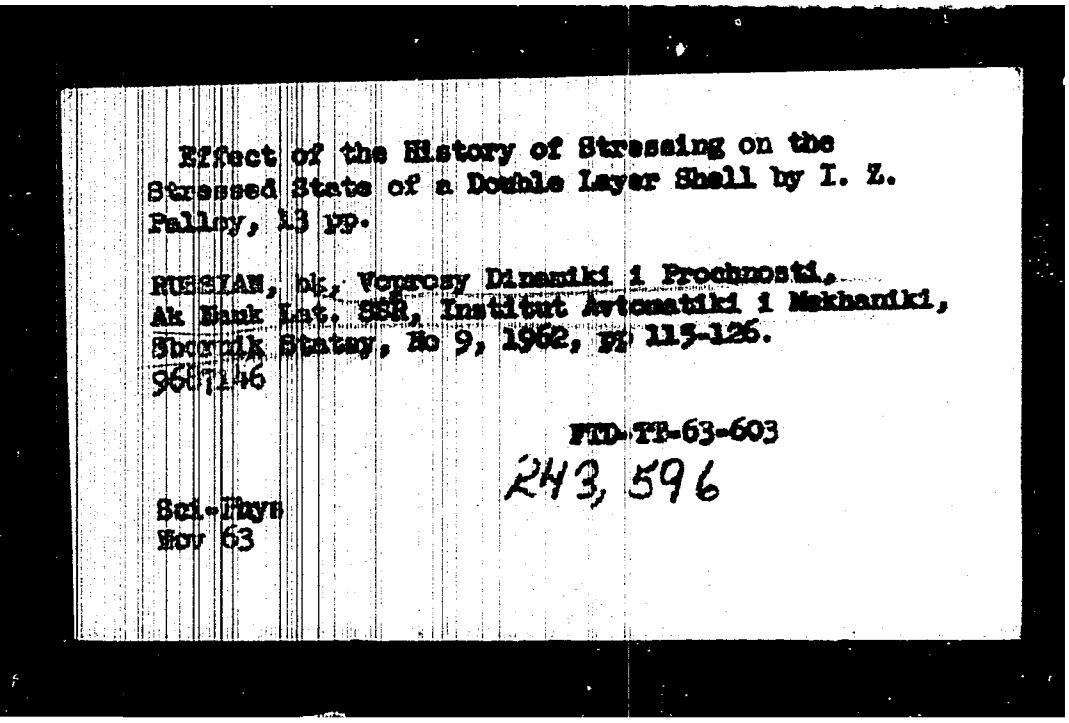

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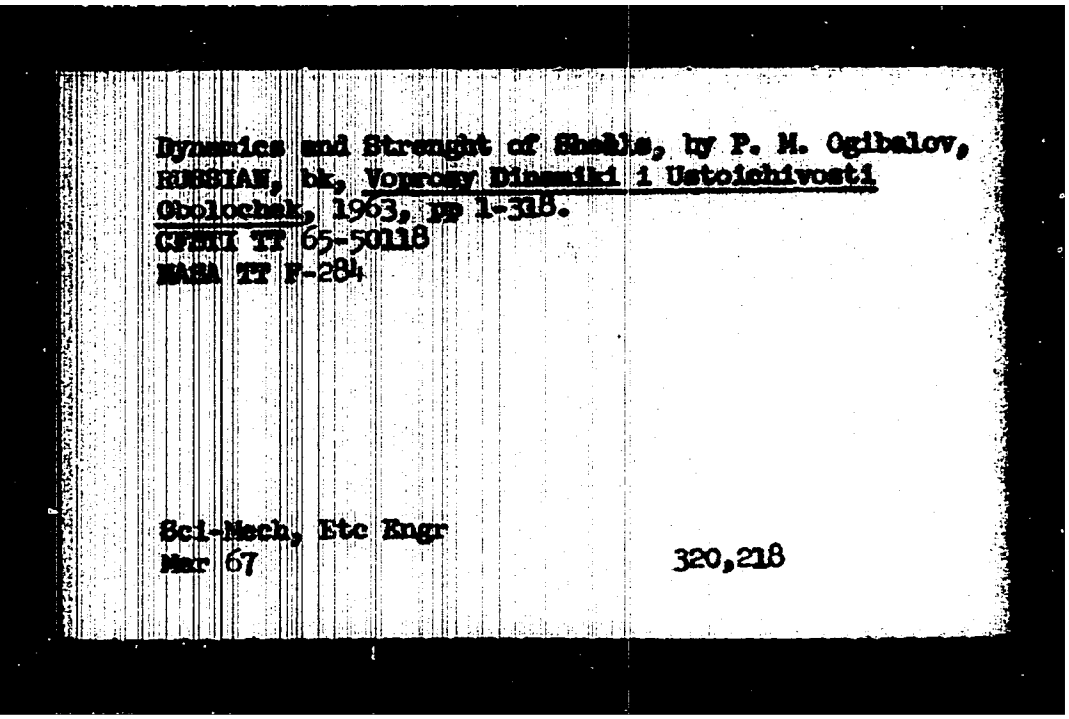

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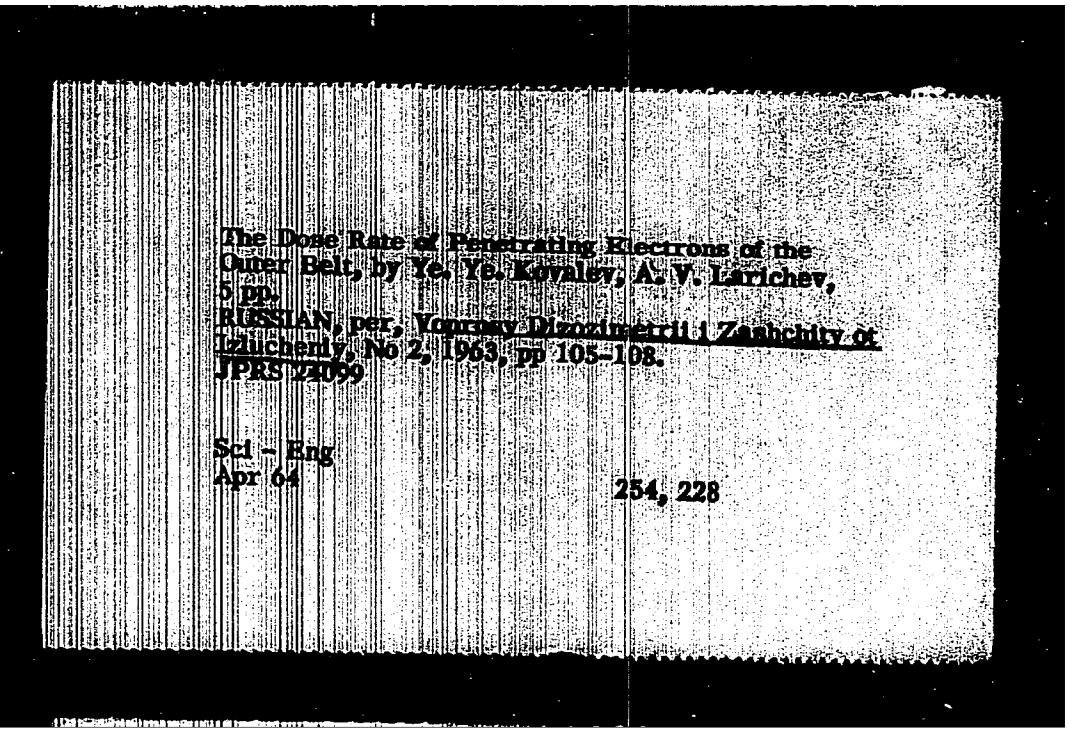
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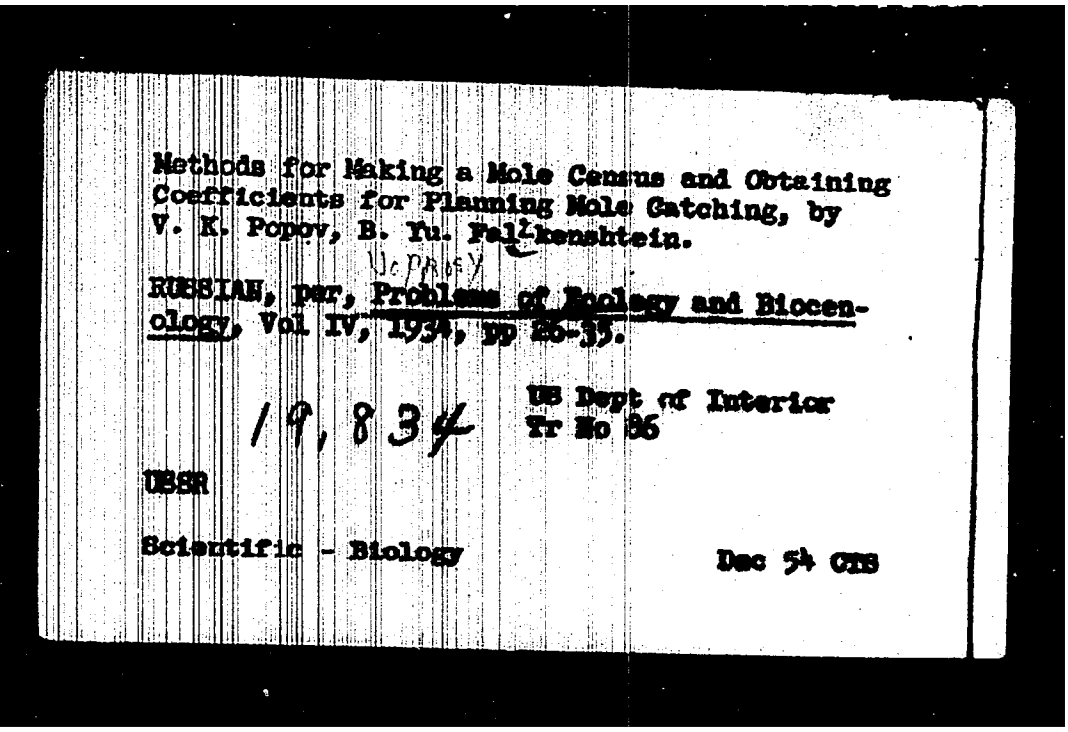

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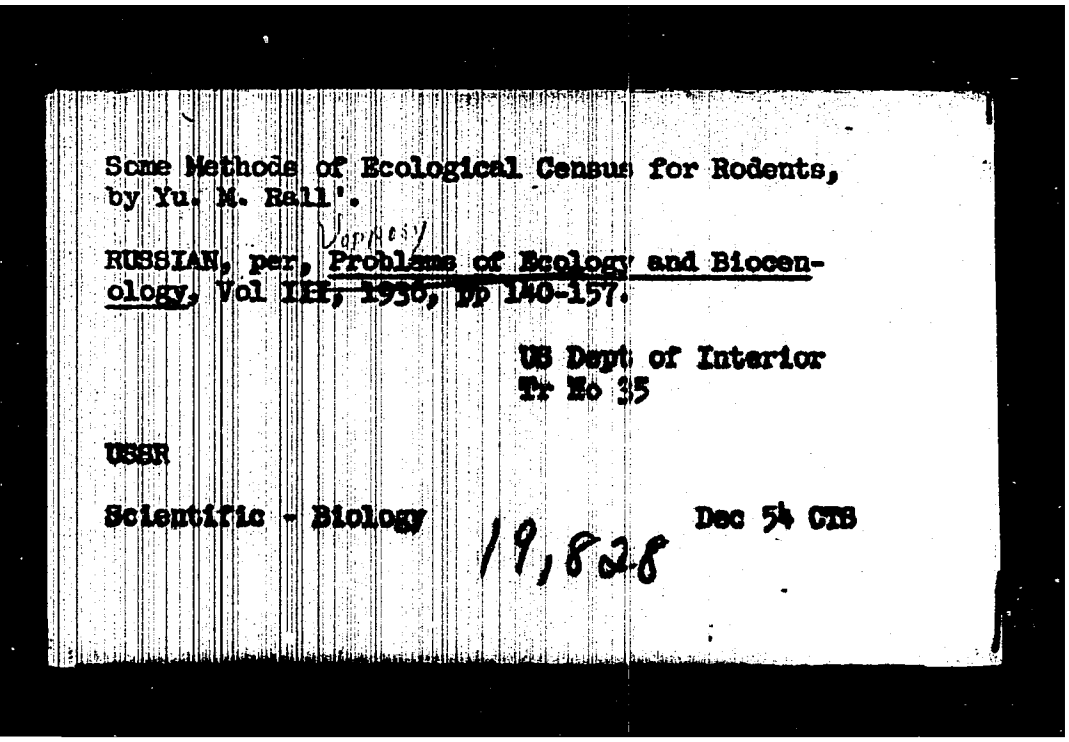

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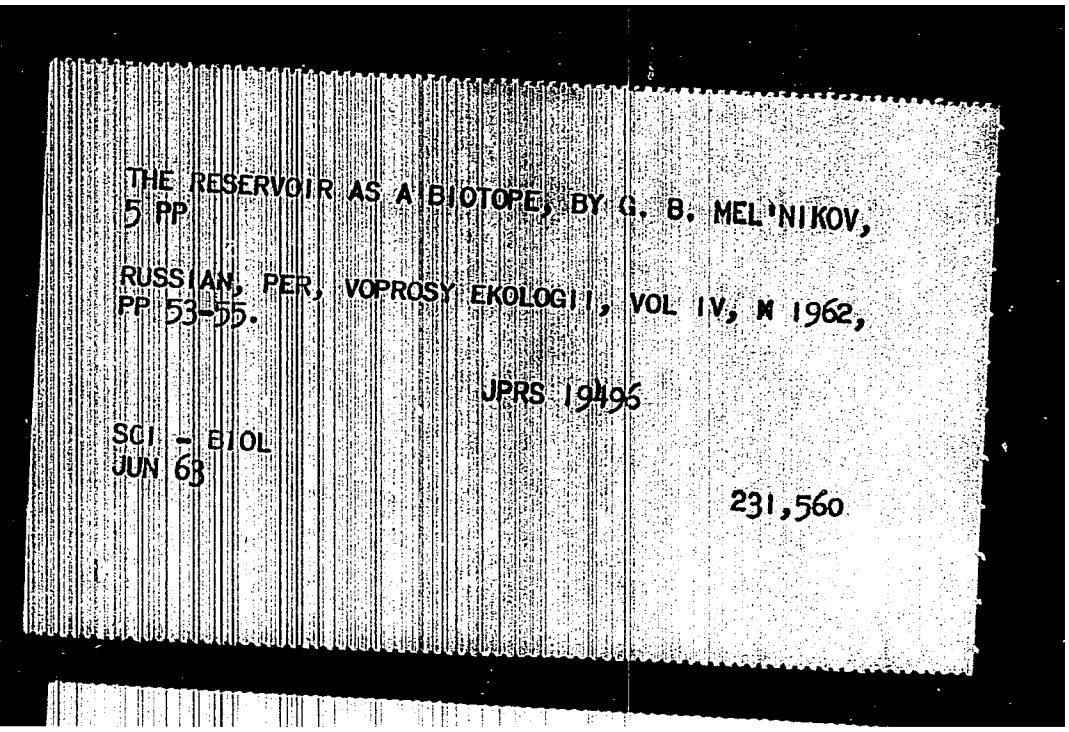

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